



1998 Toxics Release Inventory

HAWAII

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	415,656	3,189,429	3,605,085
Air Emissions	376,116	3,189,429	3,565,545
Surface Water Discharges	2,057	0	2,057
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	3,849	0	3,849
On-site Land Releases to RCRA Subtitle C Landfills	0	0	0
Other On-site Land Releases	33,634	0	33,634
Off-site Releases (Transfers Off-site to Disposal)*	3,268	4,500	7,768
Total On- and Off-site Releases	418,924	3,193,929	3,612,853
Recycled On-site	0	0	0
Recycled Off-site	110,652	0	110,652
Energy Recovery On-site	0	0	0
Energy Recovery Off-site	1,139	10	1,149
Treated On-site	3,568,243	0	3,568,243
Treated Off-site**	2,468	64	2,532
Quantity Released On- and Off-site***	435,396	3,190,791	3,626,187
Total Production-related Waste Managed	4,117,898	3,190,865	7,308,763
Total Non-production-related Waste Managed	0	6	6

Transfers Off-site for Further Waste Management/Disposal

Recycling	110,652	0	110,652
Energy Recovery	664	25	689
Treatment	2,954	545	3,499
Publicly Owned Treatment Works (POTWs)	0	0	0
Metals and Metal Compounds*	0	0	0
Non-metal TRI Chemicals**	0	0	0
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	20,175	4,500	24,675
Total Transfers Off-site for Further Waste Management/Disposal	134,445	5,070	139,515

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

****Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

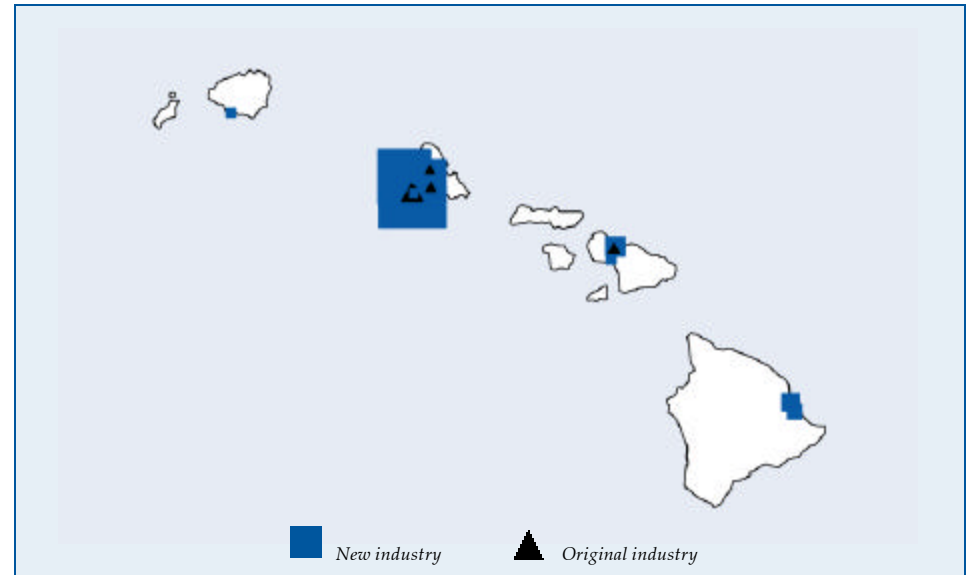
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To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Hawaii. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	1,193,001
Square Miles	6,423
Total Facilities	29
Total Forms	108
Form As	12

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	51	47	49
Pounds	418,924	3,193,929	3,612,853
National Rank for Total On-site Releases**			
Rank	51	47	49
Pounds	415,656	3,189,429	3,605,085
National Rank for Total Releases within State***			
Rank	51	47	49
Pounds	418,398	3,193,929	3,612,327
National Rank for Production-related Waste Managed			
Rank	50	47	51
Pounds	4,117,898	3,190,865	7,308,763

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
71-36-3	n-Butyl alcohol	67,046	0	0	0	900	67,946	0	900	0
115-07-1	Propylene	61,033	0	0	0	0	61,033	0	0	0
—	Glycol ethers	57,000	0	0	0	0	57,000	0	0	0
110-54-3	n-Hexane	51,204	240	0	0	14	51,458	0	14	0
7664-41-7	Ammonia	11,310	900	3,849	33,135	0	49,194	0	0	0
7664-93-9	Sulfuric acid	29,028	0	0	0	0	29,028	0	0	0
74-85-1	Ethylene	21,854	0	0	0	0	21,854	0	0	0
108-88-3	Toluene	15,425	0	0	0	116	15,541	0	116	0
1330-20-7	Xylene (mixed isomers)	13,327	0	0	0	1,318	14,645	0	1,318	0
71-43-2	Benzene	12,177	0	0	0	37	12,214	0	37	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-93-9	Sulfuric acid	1,590,242	0	0	0	0	1,590,242	0	0	0
7647-01-0	Hydrochloric acid	1,415,685	0	0	0	0	1,415,685	0	0	0
—	Nickel compounds	58,904	0	0	0	4,500	63,404	0	4,500	0
7782-41-4	Fluorine	38,127	0	0	0	0	38,127	0	0	0
7664-41-7	Ammonia	30,064	0	0	0	0	30,064	0	0	0
108-88-3	Toluene	14,299	0	0	0	0	14,299	0	0	0
110-54-3	n-Hexane	12,878	0	0	0	0	12,878	0	0	0
95-63-6	1,2,4-Trimethylbenzene	8,436	0	0	0	0	8,436	0	0	0
71-43-2	Benzene	7,919	0	0	0	0	7,919	0	0	0
1330-20-7	Xylene (mixed isomers)	6,537	0	0	0	0	6,537	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Chevron Prods. Co. — Hawaii Refy., Kapolei, Honolulu	172,872	1,558	0	0	0	0	174,430	496	0
Ball Metal Beverage Container Corp., Kapolei, Honolulu	109,162	0	0	0	0	0	109,162	0	0
Tesoro Hawaii Refy., Kapolei, Honolulu	67,894	0	0	3,849	0	0	71,743	146	16,908
Maui Pineapple Co. Ltd., Kahului, Maui	0	0	0	0	0	33,135	33,135	0	0
U.S. Navy Pearl Harbor NSY & IMF, Pearl Harbor, Honolulu	26,168	0	0	0	0	0	26,168	2,100	0
U.S. Army Schofield Barracks & Wheeler Army Airfield, Wahiawa, Honolulu	20	499	0	0	0	499	1,018	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
AES Hawaii Inc., Kapolei, Honolulu	1,169,295	0	0	0	0	0	1,169,295	0	0
Kahe Generating Station, Waianae, Honolulu	888,329	0	0	0	0	0	888,329	0	0
Waiau Generating Station, Pearl City, Honolulu	338,556	0	0	0	0	0	338,556	0	0
Kahului Generating Station, Kahului, Maui	235,936	0	0	0	0	0	235,936	0	0
Hill Generating Station, Hilo, Hawaii	200,632	0	0	0	0	0	200,632	0	0
Puna Generating Station, Keaau, Hawaii	138,602	0	0	0	0	0	138,602	0	0
Shipman Generating Station, Hilo, Hawaii	60,242	0	0	0	0	0	60,242	0	0
Maalaea Generating Station, Wailuku, Maui	53,305	0	0	0	0	0	53,305	0	0
Tosco Distribution West Honolulu Terminal, Honolulu, Honolulu	37,140	0	0	0	0	0	37,140	0	0
Kauai Electric, Eleele, Kauai	30,425	0	0	0	0	0	30,425	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Chevron Prods. Co. — Hawaii Refy., Kapolei, Honolulu	0	0	0	0	220,403	2,468	174,761	397,632	0
Ball Metal Beverage Container Corp., Kapolei, Honolulu	0	0	0	0	54,000	0	109,164	163,164	0
Tesoro Hawaii Refy., Kapolei, Honolulu	0	100,019	0	1,139	3,292,925	0	88,793	3,482,876	0
Maui Pineapple Co. Ltd., Kahului, Maui	0	0	0	0	0	0	33,135	33,135	0
U.S. Navy Pearl Harbor NSY & IMF, Pearl Harbor, Honolulu	0	0	0	0	0	0	28,000	28,000	0
U.S. Army Schofield Barracks & Wheeler Army Airfield, Wahiawa, Honolulu	0	10,633	0	0	0	0	1,018	11,651	0
Hawaii Wood Preserving Co., Kahului, Maui	0	0	0	0	0	0	525	525	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
AES Hawaii Inc., Kapolei, Honolulu	0	0	0	0	0	0	1,169,295	1,169,295	0
Kahe Generating Station, Waianae, Honolulu	0	0	0	0	0	0	888,329	888,329	0
Waiau Generating Station, Pearl City, Honolulu	0	0	0	0	0	0	338,556	338,556	0
Kahului Generating Station, Kahului, Maui	0	0	0	0	0	0	235,936	235,936	0
Hill Generating Station, Hilo, Hawaii	0	0	0	0	0	0	200,632	200,632	0
Puna Generating Station, Keaau, Hawaii	0	0	0	0	0	0	138,602	138,602	0
Shipman Generating Station, Hilo, Hawaii	0	0	0	0	0	0	60,242	60,242	0
Maalaea Generating Station, Wailuku, Maui	0	0	0	0	0	0	53,305	53,305	0
Tosco Distribution West Honolulu Terminal, Honolulu, Honolulu	0	0	0	0	0	0	36,020	36,020	0
Kauai Electric, Elelee, Kauai	0	0	0	0	0	0	30,390	30,390	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.